



# Chris Mutugi Murithi

GEOSPATIAL SCIENTIST

## Details

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## Links

[Github](#)  
[LinkedIn](#)

## Skills

GIS  
Remote sensing  
Git  
SQL  
Python and R  
HTML & CSS  
JavaScript

## Profile

An organised, meticulous and adaptable geospatial scientist with experience studying and working with Geographic Information Systems (GIS) and remote sensing technologies. A technology enthusiast keen to learn, solve problems and improve processes or facilitate their digital transformation through industry-leading technologies.

## Employment History

### Artificial Intelligence Research Intern, Estonian Land Board, Tartu

MAY 2022 – JUNE 2022

- Delivered the first phase of testing deep learning capability in detecting buildings' footprints as a possible way of updating the board's topographical datasets.

### Geospatial data analyst , Konza Silicon, Nairobi, Kenya.

NOVEMBER 2019 – JULY 2021

- Analysed cadastral data to explore, understand trends, and automate land transaction workflows for Kenya's Land information management system (LIMS).
- Developed and recommended land data and metadata digitisation procedures consistent with company objectives for the launched Kenyan LIMS.
- Worked as the Geographic Information Systems (GIS) team lead and conducted training for team members and other stakeholders on the LIMS.

### GIS and remote sensing intern , Lentera Africa, Kiambu, Kenya.

SEPTEMBER 2019 – OCTOBER 2019

- Initialised the company's GIS department for the collection and harmonisation of farm information, such as field attributes yield data and farm boundaries, through field visits and GIS-based techniques
- Processed and analysed remotely sensed data for crop and soil management to provide sufficient crop health information to farmers.

## Education

### MSc in Geo-information Science and Earth Observation for Environmental Modelling and Management for Urban-Rural Interactions, University of Twente, Enschede, Netherlands.

AUGUST 2022 – PRESENT

Thesis topic: Inter-comparison of methods for estimating leaf angle distribution with LiDAR data for broad-leaf tree species.

### MSc in Geo-informatics for urbanised societies, University of Tartu, Tartu, Estonia.

AUGUST 2021 – AUGUST 2022

Weighted Average Grade: 4.81/5

### BSc in Geospatial Engineering, University of Nairobi, Nairobi, Kenya.

JANUARY 2014 – SEPTEMBER 2019

Thesis topic: Application of GIS in locating suitable sites for solar photovoltaic farms: A case study of Kajiado County, Kenya.